

Message Text

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TAGS: TGEN ETRN, UR, US

SUBJECT: US-USSR COOPERATION IN TRANSPORTATION: RAIL TRANSPORT
(05.03): SOVIET PROPOSAL FOR ROLLER-BEARINGS

1. DURING 5 APRIL MEETING AT SCST, EMBOFF RECEIVED LETTER DATED 1 APRIL

FOR PASONS FROM MALASHKO AND KOLODYAZHNIY. INFORMAL TRANSLATION
FOLLOWS:

BEGIN TEXT.

2. QUOTE: DURING THE VISIT OF SPECIALISTS OF MINISTRY OF RAILWAY
TRANSPORT OF THE USSR IN THE USA, THE SPECIALIST VISITED
BRENKO CO., WHICH MANUFACTURES ROLLER BEARINGS FOR AXLE-BOXES OF ROLL-
ING
STOCK, AND DISCUSSED WITH THE SPECIALISTS OF THE COMPANY QUESTIONS
OF USE OF ROLLER BEARING AXLES.

3. IN THE COURSE OF NEGOTIATIONS IT WAS NOTED THAT ON RAILROAD LINES
OF
THE USSR AND USA A CONSIDERABLE PART OF ROLLER-BEARING AXLES OF
RAILROAD ROLLING-STOCK ARE DISABLED BECAUSE OF GREAT DYNAMIC LOADS.
SPECIALISTS OF SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD
TRANSPORT WORKED OUT AN ELASTIC (RUBBER) ELEMENT FOR ROLLER-
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BEARING AXLES OF CARS AND TESTED THE ELEMENT IN RUNS UNDER CARS

MORE THAN 500 THOUSAND KILOMETERS. THE RESULTS OF THE TEST REVEALED THAT THE ELASTIC ELEMENT PROVIDES CONSIDERABLE INCREASE IN RELIABILITY AND DURABILITY OF A BEARING AND UNDERCARRIAGE AND TRACKS, ESPECIALLY AT HIGH SPEED ON TRACKS WITH FERROCONCRETE TIES.

4. THE RESULTS OF DYNAMIC AND OPERATIONAL TESTS OF AXLE -BOXES WITH ELASTIC ELEMENTS ARE GIVEN IN THE ARTICLE "AXLE-BOX WITH ELASTIC ELEMENTS," PUBLISHED IN THE ENCLOSED JOURNAL "RAILROAD TRANSPORT" NO. 8, 1975 (PP63-66). TAKING INTO ACCOUNT CONSIDERABLE OPERATIONS ADVANTAGES OF AXLE-BOXES EQUIPPED WITH ELASTIC ELEMENTS WE SUGGEST CONDUCTING COMPARATIVE TESTS OF ROLLER-BEARING AXLES MANUFACTURED BY "BRENKO" AND EQUIPPED WITH ELASTIC (RUBBER) ELEMENTS WORKED OUT BY CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MINISTRY OF RAILWAY TRANSPORT OF THE USSR ON THE EXPERIMENTAL RING IN SHERBINKA AND IN THE USA AT TESTING CENTER IN PUEBLO. ALTERNATIVELY, WE SUGGEST TESTING THEM FREE OF CHARGE IN THE USSR ONLY.

5. FOR OBTAINING TRUSTWORTHY RESULTS IT IS ADVISABLE TO TEST AXLE-BOXES IN EACH COUNTRY MOUNTING AXLE-BOXES ON 20-25 CARS. HALF OF THESE AXLE-BOXES SHOULD BE EQUIPPED WITH ELASTIC ELEMENTS.

6. TESTS SHOULD BE CARRIED OUT UNTIL CARS EQUIPPED WITH THIS AXLE-BOXES RUN 400 THOUSAND KILOMETERS, I.E., DURING TWO YEARS (1977-1978).

7. IT IS ADVISABLE TO INCLUDE THE CONDUCTING OF THESE TESTS IN THE PLAN OF COOPERATION FOR 1977-1978. END QUOTE.

8. ORIGINAL OF LETTER AND COPY OF MAGAZINE (ZHELEZNODOROZHNIY TRANSPORT, 8, 1975) POUCHED EUR/SOV EXCHANGES.REGISTRY 2041541.

BREMENT

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